

Air Quality Permit Application Form Title V (Part 70) Operating Permit

General Information Form And Certification of Applicant Form

SEND ALL MATERIALS TO:

SD Department of Environment and Natural Resources Air Quality Program 523 East Capitol Pierre, South Dakota 57501-3181

(Please complete shaded areas - if you have questions call (605) 773-3151)

A. GENERAL INFORMATION

If permit is being renewed or	amended, give existing permit number: 28.0801-29					
1. Facility name:	Big Stone Power Plant					
2. Mailing address:						
Street and/or box number	215 South Cascade Street					
City, state, zip code	Fergus Falls, MN 56537					
3. Facility location (if plant is	s portable, enter location at time of submittal):					
Street and city	Big Stone City					
Legal description and county	Grant County					
	(Quarter, Section, Township, Range)					
4. Permit contact:						
Name/title	Terry Graumann, Manager Environmental Engineering					
Telephone number	218-739-8407					
5. Facility contact, if differen	nt than permit contact (Person to contact for arranging inspections):					
Name/title						
Telephone number						
6. Responsible official:						
Name/title	Terry Graumann, Manager Environmental Engineering					
Telephone number	218-739-8407					
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A responsible official is defined as a president, vice president, secretary, or treasurer for a corporation; general partner or the proprietor for a partnership; and principal executive officer or ranking elected official for municipal, state, federal or public agency.

B. PLANT DESCRIPTION 1. Standard Industrial Classification Code (SIC code): Primary SIC code: 4911 Secondary SIC code (if applicable): Please contact the Department if unable to determine your SIC code. 2. Briefly describe the operations at the facility, including raw materials and finished products: Coal Power Plant. The plant is used to produce electricity.

Please attach one copy, if available, of any prepared plans and the manufacturer's specifications of any equipment, including pollution control devices. If additional space is needed to describe operations, please attach the additional paper to this application.

3. A **new source or modification to an existing source** is required to demonstrate that the operation of the new source or modification will not prevent or interfere with the attainment or maintenance of an applicable ambient air quality standard. Please attach air dispersion modeling or other documents that will demonstrate the new source or modification will not prevent or interfere with the attainment or maintenance of an applicable ambient air quality standard.

Has air dispersion modeling been conducted (please check one)?

X

Yes

No

If air dispersion modeling has been conducted, please attach a copy of the report to this application unless the Department has a copy already.

C. COMPLIANCE PLAN

If it is anticipated that a permitted unit will not be operating in compliance at the time of permit issuance, a proposed compliance plan shall be included with the application. The proposed compliance plan shall include a narrative description of the following:

- 1. The requirements (i.e., statutes, air quality rules, permit conditions, etc.) the source is not in compliance with at the time of submittal of this application or permit issuance;
- 2. How the facility intends to bring the unit(s) into compliance; and
- 3. A compliance schedule for when the source will achieve compliance with such requirements;

The compliance schedule must include a statement that progress reports will be submitted at least once every six months and must be at least as stringent as that contained in any judicial consent decree or administrative order to which the applicant is subject.

D. MAPS

For stationary sources only, please enclose a map or a drawing showing roadways, location of plant and the nearest residents in each direction from the source. Include other structures, which may be affected.

E. AIR QUALITY EMISSIONS SUMMARY

If air quality emissions are available, please complete the following table:

	Actual	Potential Controlled	Potential Uncontrolled
Pollutant	(tons per year)	(tons per year)	(tons per year)
Particulate	See Attached		
Sulfur Dioxide			
Nitrogen Oxide			
Carbon Monoxide			
Volatile Organic Compounds			
Hazardous Air Pollutants (if applications)	able)		

Remember that potential emissions are calculated assuming that the permitted unit is operated 24 hours per day, 7 days per week, 52 weeks per year at maximum design capacity. Attach all calculations, MSDS sheets for all products containing volatile organic compounds and/or hazardous air pollutants, and other supporting documentation.

Please contact the Department if assistance is needed for calculating emissions for the permitted units such as emission factors, clarifying what potential emissions are, efficiency for control equipment, etc.

F. ADDITIONAL FORMS

The following forms must be completed for each piece of specific equipment at the facility and submitted with this form:

Boiler Incinerator Kiln Dryer

Miscellaneous Process Paint Booth Storage Tank

The following forms must be completed for each piece of specific air control equipment at the facility and submitted with this form:

Baghouse Cyclone Electrostatic Precipitator

Miscellaneous Control Thermo Oxidizer Wet Scrubber

G. CERTIFICATION OF COMPLIANCE

I certify the following:

- The methods such as monitoring, record keeping, reporting, and stack test performance results described within this application shall be used to determine continuous or intermittent compliance;
- A compliance certification document will be submitted to the Department at least annually or at other times designated by the Department for the duration of the permit;
- 3. The source is in compliance and will continue to demonstrate compliance with all applicable requirements, except for those designated in the attached compliance plan (if applicable); and
- This application is submitted in accordance with the provisions of the South Dakota Codified Laws 34A-1 and Administrative Rules of South Dakota 74:36. To the best of my knowledge, after reasonable inquiry, the statements and information contained in the application and supporting documents are true, accurate, and complete In accordance with South Dakota Codified Laws 1-40-27, I have also enclosed a completed Certification of Applicant form.

Signature:	les Sra	7/20/2005
Print Name:	Terry Graumann	Date

Responsible Official



CERTIFICATION OF APPLICANT

(please complete shaded areas - if you have questions call (605) 773-3151)

In the Matter of the Application of	Big Stone Power Plant				
	(Facility Name)				
State of	South Dakota				
County of	Grant				
I, Terry Graumann , the applicant in the above matter after being duly sworn upon oath hereby certify the following information in regard to this application:					

South Dakota Codified Laws Section 1-40-27 provides:

"The secretary may reject an application for any permit filed pursuant to Titles 34A or 45, including any application by any concentrated swine feeding operation for authorization to operate under a general permit, upon making a specific finding that:

- (1) The applicant is unsuited or unqualified to perform the obligations of a permit holder based upon a finding that the applicant, any officer, director, partner or resident general manager of the facility for which application has been made:
- (a) Has intentionally misrepresented a material fact in applying for a permit;
- (b) Has been convicted of a felony or other crime involving moral turpitude;
- (c) Has habitually and intentionally violated environmental laws of any state or the United States which have caused significant and material environmental damage;
- (d) Has had any permit revoked under the environmental laws of any state or the United States; or
- (e) Has otherwise demonstrated through clear and convincing evidence of previous actions that the applicant lacks the necessary good character and competency to reliably carry out the obligations imposed by law upon the permit holder; or
- (2) The application substantially duplicates an application by the same applicant denied within the past five years which denial has not been reversed by a court of competent jurisdiction. Nothing in this subdivision may be construed to prohibit an applicant from submitting a new application for a permit previously denied, if the new application represents a good faith attempt by the applicant to correct the deficiencies that served as the basis for the denial in the original application.

All applications filed pursuant to Titles 34A and 45 shall include a certification, sworn to under oath and signed by the applicant, that he is not disqualified by reason of this section from obtaining a permit. In the absence of evidence to the contrary, that certification shall constitute a prima facie showing of the suitability and qualification of the applicant. If at any point in the application review, recommendation or hearing process, the secretary finds the applicant has intentionally made any material misrepresentation of fact in regard to this certification, consideration of the application may be suspended and the application may be rejected as provided for under this section.

Applications rejected pursuant to this section constitute final agency action upon that application and may be appealed to circuit court as provided for under chapter 1-26."

Pursuant to SDCI 1-40-27, I certify that I have read the forgoing provision of state law, and that I am not disqualified by reason of that provision from obtaining the permit for which application has been made.

Dated this 20th, day of Jaly, ,20 05

Applicant (signature)

Subscribed and sworn before me this:

Dated this 30th, day of July, ,20 05

Notary Public (signature)

My commission expires: January 31, 3010

Notary Public Minnesota ly Commission Expires January 31, 2010

(SEAL)

PLEASE ATTACH SHEET DISCLOSING ALL FACTS PERTAINING TO SDCL 1-40-27 (1) (a) THROUGH (e).
ALL VIOLATIONS MUST BE DISCLOSED, BUT WILL NOT AUTOMATICALLY RESULT IN THE REJECTION OF AN APPLICATION.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): 13						
-	BD		Manufacture	date:		
3. Model number: TI	BD		•			
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)						
Emergency Reclaim Ho	opper					
5. Maximum designed o	operating rate (name plate):		-			
			million Btus j	per hour heat input		
or			horsepower			
or			kilowatts			
6. Check the appropriate	e box(es) for primary and secono	dary fuels:				
Natural gas		Propan	e			
Distillate oil	Sulfur content		Weight percen	t		
Residual oil	Sulfur content		Weight percen	t		
Bituminous Coal	Subbituminous	Coal	Ligni	te Coal		
Coal sulfur content	Weight percent	Coal ash co	ontent	Weight percent		
Other (please spec	ecify)					
7. Has a stack test been	conducted (check appropriate be	ox)?	Yes	X No		
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.						
Date of most recent stac	ck test:					
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).						
Baghouse						

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Misc Process Form Page 1 of 2

			=			
X- Coordinate	or Easting:		feet		69,950.28	meters
Y- Coordinate	or Northing:		feet	5	,019,585.99	meters
Base Elevation	n of Stack:	1,124	feet			meters
Stack Height:		26	feet			meters
Exit Stack Dia	meter	2.20	feet			meters
Exit Stack Ter	nperature	Ambient	degrees I	Fahrenheit		
Exit Stack Vel	locity and/or Fl	ow Rate:	_			
Velocity:		59.19 feet per	second			meters per second
and/or						
Flow Rate:	13,500.00	actual cubic feet per	r minute		actual cubi	c meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this information.

Misc Process Form Page 2 of 2



Air Quality Permit Application

Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

				Eq	uipment	and Pi	coces	ses		
1.	Unit 13: Emerg	ency :	Reclaim H	lopper						
2.										
3.										
4.										
5.										
ļ	nufacturer Infoi	mati	on:							
Mar	ufacturer?	TBI	D							
Mar	ufacturer date?	TBI	D		Ins	stallati	on da	te?	Spring	2007
Mar	ufacturer's desig	ned c	ontrol effi	ciency?	0.01 gr/	dscf			%	
Тур	e of baghouse (p	lease	check one)?	<u> </u>					
	Reverse Air	X	Pulse Jet		Shaker		Oth	er (sp	ecify)	
Тур	e of bags?		TBD							
Nun	nber of bags?		TBD		Air/cloth	ratio?	1	TBI)	
Bag	house Operation	n and	Mainten	ance:	-		·			
Pres	sure drop across	bagh	ouse? T	BD i	inches wat	er (mii	nimur	n)	TBD	inches water (maximum)
Inle	Temperature?		Ambient	Fah	renheit (m	inimu	m)	Amb	ient	Fahrenheit (maximum)
Out	et Temperature?	An	nbient	Fah	renheit (m	inimu	m)	Amb	ient	Fahrenheit (maximum)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):										
Bag changing dependent on application and grain loading.										

694,950.28 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,585.99 feet meters or Base Elevation of Stack: 1 1,124 feet meters or Stack Height: 26 feet or meters Exit Stack Diameter 2.20 feet meters or Ambient Exit Stack Temperature degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 59.19 feet per second meters per second and/or Flow Rate:

Stack Information: If this application is a renewal, contact the air program. We may have this

actual cubic feet per minute

information.

13,500.00

actual cubic meters per second

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification	ation (i.e. Roiler /	#1 Unit #1 etc):	14					
Ž		F1, OIII #1, Ctc).	14	•		C . 1		
2. Manufacturer:	TBD				Manu	facture da	ite:	
3. Model number:	el number: TBD							
4. Type (i.e., steam	4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)							
New Baghouse for	Coal Silos #1, 2, a	and 3 (Load in)						
5. Maximum design	ned operating rate	(name plate):						
					millio	n Btus pe	r hou	ır heat input
or					horse	ower		
or					kilowa	atts		
6. Check the approp	oriate box(es) for p	orimary and seco	ndary	fuels:	_			
Natural gas		. J		Propan	e			
Distillate oil		Sulfur content		- I		t percent		
Residual oil		Sulfur content			•	t percent		
		_	-	1	Weigh	¬Î		1
Bituminous (Subbituminou	1			Lignite		
Coal sulfur cont	ent	Weight percer	nt C	Coal ash co	ntent		Wei	ight percent
Other (please	e specify)							
7. Has a stack test b	een conducted (cl	neck appropriate	box)?	•	Ye	es	X	No
If a stack test has lapplication. If the I most recent stack te	Department alread							
Date of most recent	stack test:							
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).								
Baghouse								

Stack Information: If this application is a renewal, contact the air program. We may have this information.							
X- Coordinate or Easting:		feet	694,869.15	meters			
Y- Coordinate or Northing:		feet	5,019,437.52	meters			
Base Elevation of Stack:	1,124	feet		meters			
Stack Height:	211.00	feet		meters			
Exit Stack Diameter	3.60	feet		meters			
Exit Stack Temperature	Ambient	degrees Fahre	nheit				
Exit Stack Velocity and/or Flow Rate:							
Velocity:	58.95 feet per	second		meters per second			
and/or							
Flow Rate: 36,000.00	actual cubic feet per	minute	actual cubi	c meters per second			



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes									
1. Unit 14: Coal Silos 1,2	1. Unit 14: Coal Silos 1,2,3 (load in)								
2.									
3.									
4.									
5.									
Manufacturer Information	on:								
Manufacturer? TBD)								
Manufacturer date? TBD	Installation date?	Spring 2007							
Manufacturer's designed co	ontrol efficiency? 0.01 gr/dscf	%							
Type of baghouse (please cl	check one)?	-							
Reverse Air X	Pulse Jet Shaker Other (sp	pecify)							
Type of bags?	TBD								
Number of bags?	TBD Air/cloth ratio? TBI	D							
Baghouse Operation and I	Maintenance:								
Pressure drop across baghor	ouse? TBD inches water (minimum)	TBD inches water (maximum)							
Inlet Temperature?	Ambient Fahrenheit (minimum) Amb	pient Fahrenheit (maximum)							
Outlet Temperature? Am	nbient Fahrenheit (minimum) Amb	pient Fahrenheit (maximum)							
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):									
Bag changing dependent on application and grain loading.									

information. 694,869.15 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,437.52 feet meters or Base Elevation of Stack: 1 1,124 feet meters or Stack Height: 211.00 feet or meters Exit Stack Diameter 3.60 feet meters or Ambient Exit Stack Temperature degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 58.95 feet per second meters per second and/or Flow Rate: 36,000.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	15					
2. Manufacturer: TBD		Manufacture d	late:			
3. Model number: TBD		•				
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)						
New Baghouse for Coal Silos #1, 2, and 3 (Load out)						
5. Maximum designed operating rate (name plate):		_				
		million Btus p	er hour heat input			
or		horsepower				
or		kilowatts				
6. Check the appropriate box(es) for primary and second	ondary fuels:	_				
Natural gas	Propan	e				
Distillate oil Sulfur content		Weight percent				
Residual oil Sulfur content		Weight percent				
Bituminous Coal Subbituminou	ıs Coal	Lignit	e Coal			
Coal sulfur content Weight percent	nt Coal ash co	ontent	Weight percent			
Other (please specify)	<u> </u>					
7. Has a stack test been conducted (check appropriate	box)?	Yes	X No			
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.						
Date of most recent stack test:						
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).						
Baghouse						

Stack Information: If this application is a renewal, contact the air program. We may have this information.						
X- Coordinate or Easting:		feet	694,902.73	meters		
Y- Coordinate or Northing:		feet	5,019,462.67	meters		
Base Elevation of Stack:	1,124	feet		meters		
Stack Height:	21	feet		meters		
Exit Stack Diameter	2.80	feet		meters		
Exit Stack Temperature	Ambient	degrees Fahre	nheit			
Exit Stack Velocity and/or Flow Rate:						
Velocity:	60.90 feet per	second		meters per second		
and/or						
Flow Rate: 22,500.00 a	ctual cubic feet per	minute	actual cubi	c meters per second		



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes										
1. Unit 15: Coal Si	los 1	,2,3 (load out)								
2.										
3.										
4.										
5.										
Manufacturer Information:										
Manufacturer?	TBI	D								
Manufacturer date?	TBI	D	In	stallatio	n date?	Spring	2007			
Manufacturer's design	ned c	ontrol efficiency	? 0.01 gr	/dscf		%				
Type of baghouse (ple	ease	check one)?				•				
Reverse Air	X	Pulse Jet	Shaker		Other (sp	ecify)				
Type of bags?		TBD								
Number of bags?		TBD	Air/clot	n ratio?	TBI	D				
Baghouse Operation	and	Maintenance:								
Pressure drop across b	oagh	ouse? TBD	inches wa	ter (min	imum)	TBD	inches water (maximum)			
Inlet Temperature?		Ambient F	ahrenheit (n	ninimun	n) Amb	ient	Fahrenheit (maximum)			
Outlet Temperature?	An	nbient F	ahrenheit (n	ninimun	n) Amb	ient	Fahrenheit (maximum)			
Describe maintenance	of b	oaghouse (use of	dye test, vi	sual insp	pections, o	changing	g bag frequency, etc.):			
Bag changing depende	ent o	n application an	d grain load	ing.						

information. 694,902.73 X- Coordinate or Easting: 1 feet meters or 5,019,462.67 Y- Coordinate or Northing: 1 feet meters or Base Elevation of Stack: 1 1,124 feet or meters Stack Height: 21.00 feet or meters Exit Stack Diameter 2.80 feet or meters

Ambient

Stack Information: If this application is a renewal, contact the air program. We may have this

Exit Stack Velocity and/or Flow Rate:

Exit Stack Temperature

Velocity:		60.90	feet per second		meters per second
			and/or		
Flow Rate:	22,500.00	actual cubi	c feet per minute	actual cubi	c meters per second

degrees Fahrenheit

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1. Facility identification (i.e., Boiler #1, Unit #1, etc): 16									
•		+1, OIIII #1, etc).	10)	T.	2 1			
2. Manufacturer:	TBD				Manu	facture da	ate:		
3. Model number:	TBD								
4. Type (i.e., steam	boiler, simple cyc	ele combustion tu	rbine	, generator	etc.)				
Limestone Reclaim	Conveyor								
5. Maximum design	ned operating rate	(name plate):							
					millio	n Btus pe	r hou	ır heat input	
or					horsepower				
or		kilow	atts						
6. Check the appropriate box(es) for primary and secondary fuels:									
Natural gas		. J		Propan	e				
Distillate oil		Sulfur content	Weight percent						
Residual oil		Sulfur content			•	t percent			
	71	_	- C	.1	VVCIgii	¬Î	C	1	
Bituminous (Subbituminou	1			Lignite	l		
Coal sulfur cont	ent	Weight percer	nt C	Coal ash co	ntent		Wei	ight percent	
Other (please	specify)								
7. Has a stack test b	een conducted (cl	neck appropriate	box)?	•	Ye	es	X	No	
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.									
Date of most recent	stack test:								
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).									
Baghouse									

Stack Information: If this application is a renewal, contact the air program. We may have this information.									
X- Coordinate	or Easting:			feet			695,060.81	meters	
Y- Coordinate	nate or Northing:			feet	5,019,365.00			meters	
Base Elevation of Stack:				feet				meters	
Stack Height:			90.00	feet				meters	
Exit Stack Diar	neter		2.10	feet				meters	
Exit Stack Tem	perature	I	Ambient	degrees Fahrenheit					
Exit Stack Velo	ocity and/or Flo	ow Rate:							
Velocity:	Velocity: 57.74 feet per second meters per second								
and/or									
Flow Rate:	12,000.00	actual cubi	c feet per	minute			actual cubic	c meters per second	



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes										
1.	Unit 16: Limes	tone F	Reclaim Con	veyor						
2.										
3.										
4.										
5.										
Manufacturer Information:										
Man	ufacturer?	TBI	D							
Man	ufacturer date?	TBI	D		Ins	stallatio	on date?	Spring	2007	
Man	ufacturer's desig	gned c	ontrol efficie	ency?	0.01 gr/	dscf		%		
Type of baghouse (please check one)?										
	Reverse Air	X	Pulse Jet		Shaker		Other (sp	ecify)		
Туре	e of bags?		TBD							
Num	ber of bags?		TBD		Air/cloth	ratio?	TBI	D		
Bagl	house Operation	n and	Maintenan	ice:					_	
Press	sure drop across	bagh	ouse? TBI	D it	nches wate	er (mir	nimum)	TBD	inches water (maximum)	
Inlet	Temperature?		Ambient	Fahr	renheit (m	inimuı	m) Amb	ient	Fahrenheit (maximum)	
Outl	et Temperature?	Ar	nbient	Fahr	renheit (m	inimuı	m) Amb	ient	Fahrenheit (maximum)	
Desc	ribe maintenanc	e of b	aghouse (us	e of dy	e test, vis	u <u>al ins</u>	pections,	changing	g bag frequency, etc.):	
Bag	changing depend	dent o	n applicatio	n and g	grain loadi	ng.				

information. 695,060.81 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,365.00 feet meters or Base Elevation of Stack: 1 1,124 feet meters or 90.00 Stack Height: feet or meters Exit Stack Diameter 2.10 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 57.74 feet per second meters per second and/or Flow Rate: 12,000.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc):										
•		F1, OIII #1, Ctc).	1 /		T > 6	C . 1				
2. Manufacturer:	TBD				Manu	facture da	ate:			
3. Model number:	TBD									
4. Type (i.e., steam	boiler, simple cyc	le combustion tu	rbine,	generato	r, etc.)					
Limestone Receivir	Limestone Receiving Hopper									
5. Maximum design	ned operating rate	(name plate):			_					
					millic	n Btus pe	er hou	ır heat input		
or					horsepower					
or	^									
6. Check the appropriate box(es) for primary and secondary fuels:										
Natural gas		J	,	Propan	e					
Distillate oil		Sulfur content		T T T		t percent				
Residual oil		Sulfur content			•	t percent				
			G 1		Weigh	"				
Bituminous (Subbituminou	1			Lignite	e Coa	I		
Coal sulfur cont	ent	Weight percer	nt Co	oal ash co	ntent		Wei	ight percent		
Other (please	e specify)									
7. Has a stack test b	een conducted (ch	neck appropriate	box)?		Y	es	X	No		
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.										
Date of most recent	stack test:									
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).										
Baghouse										

Stack Information: If this application is a renewal, contact the air program. We may have this information.									
X- Coordinate	or Easting:			feet			695,101.84	meters	
Y- Coordinate	Y- Coordinate or Northing:			feet		5,0	019,353.93	meters	
Base Elevation of Stack:			1,124	feet				meters	
Stack Height:		21.00	feet				meters		
Exit Stack Dia	meter		1.90	feet				meters	
Exit Stack Ter	nperature	1	Ambient	degrees Fahrenheit					
Exit Stack Vel	ocity and/or Flo	w Rate:							
Velocity:	Velocity: 58.78 feet per second meters per second								
and/or									
Flow Rate:	10,000.00	actual cubi	c feet per	minute			actual cubi	c meters per second	



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes									
1. Unit 17: Limest	one R	Receiving Hopp	er						
2.									
3.									
4.									
5.									
Manufacturer Information:									
Manufacturer?	TBI	D							
Manufacturer date?	TBI	D	In	stallatio	n date?	Spring	2007		
Manufacturer's design	ned c	ontrol efficienc	y? 0.01 gr	/dscf		%			
Type of baghouse (pl	ease	check one)?							
Reverse Air	X	Pulse Jet	Shaker		Other (sp	ecify)			
Type of bags?		TBD							
Number of bags?		TBD	Air/clot	h ratio?	TBI)			
Baghouse Operation	ı and	Maintenance:							
Pressure drop across	bagh	ouse? TBD	inches wa	ter (mini	imum)	TBD	inches water (maximum)		
Inlet Temperature?		Ambient H	- Fahrenheit (r	ninimum	n) Amb	ient	Fahrenheit (maximum)		
Outlet Temperature?	An	nbient I	Fahrenheit (r	ninimum	n) Amb	ient	Fahrenheit (maximum)		
Describe maintenance	e of b	paghouse (use of	f dye test, vi	sual insp	ections, o	changing	g bag frequency, etc.):		
Bag changing depend	lent o	n application ar	nd grain load	ling.					

information. 695,101.84 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,353.93 feet meters or Base Elevation of Stack: 1 1,124 feet meters or Stack Height: 21.00 feet or meters Exit Stack Diameter 1.90 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 58.78 feet per second meters per second and/or

Stack Information: If this application is a renewal, contact the air program. We may have this

actual cubic feet per minute

Flow Rate:

10,000.00

actual cubic meters per second

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): 18										
2. Manufacturer:	TBD	, om #1, ctc).	10	,	Morri	facture da	ata:			
					Manu	racture da	iie.			
3. Model number:	TBD									
4. Type (i.e., steam	boiler, simple cyc	le combustion tu	rbine	, generator	e, etc.)					
Plant Transfer/Silo	Fill System									
5. Maximum design	ned operating rate	(name plate):			_					
					millio	n Btus pe	r hou	ır heat input		
or					horsepower					
or				kilowatts						
6. Check the appropriate box(es) for primary and secondary fuels:										
Natural gas	(/ 1	J	<i>J</i>	Propan	e					
Distillate oil		Sulfur content		Tropun		t percent				
					•	•				
Residual oil		Sulfur content			weigh	t percent				
Bituminous (Coal	Subbituminou	s Coa	ıl		Lignite	Coa	l		
Coal sulfur cont	ent	Weight percer	nt C	Coal ash co	ntent		Wei	ight percent		
Other (please	specify)									
7. Has a stack test b	een conducted (cl	neck appropriate	box)?	·	Υe	es	X	No		
If a stack test has lapplication. If the I										
most recent stack te	est.									
Date of most recent	stack test:									
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).										
Baghouse										

Stack Information: If this application is a renewal, contact the air program. We may have this information.									
X- Coordinate	or Easting:			feet			695,196.00	meters	
Y- Coordinate	linate or Northing:			feet	5,019,465.41			meters	
Base Elevation of Stack:			1,124	feet				meters	
Stack Height:			199.00	feet				meters	
Exit Stack Dia	ımeter		5.10	feet	feet			meters	
Exit Stack Ter	nperature	I	Ambient	degrees Fahrenheit					
Exit Stack Ve	locity and/or Flo	w Rate:							
Velocity:	Velocity: 57.93 feet per second meters per second								
and/or									
Flow Rate:	71,000.00	actual cubi	c feet per	minute			actual cubi	c meters per second	



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes										
1.	Unit 18: Plant	Γransf	er/Silo Fill S	System	1					
2.										
3.										
4.										
5.										
Manufacturer Information:										
Mar	ufacturer?	TBI	D							
Mar	ufacturer date?	TBI	D		Ins	stallatio	on da	ate?	Spring	2007
Mar	ufacturer's desig	ned c	ontrol efficie	ency?	0.01 gr/	dscf			%	
Type of baghouse (please check one)?										
	Reverse Air	X	Pulse Jet		Shaker		Oth	ner (sp	ecify)	
Тур	e of bags?		TBD							
Nun	nber of bags?		TBD		Air/cloth	ratio?	1	TBI)	
Bag	house Operatio	n and	Maintenan	ce:						
Pres	sure drop across	bagh	ouse? TBI) i	nches wat	er (mir	nimu	m)	TBD	inches water (maximum)
Inle	t Temperature?		Ambient	Fah	renheit (m	inimuı	n)	Amb	ient	Fahrenheit (maximum)
Out	et Temperature?	Ar	nbient	Fah	renheit (m	inimuı	n)	Amb	ient	Fahrenheit (maximum)
Des	cribe maintenanc	e of b	aghouse (us	e of dy	ye test, vis	ual ins	pecti	ions, c	changing	g bag frequency, etc.):
Bag changing dependent on application and grain loading.										

695,196.00 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,465.41 feet meters or Base Elevation of Stack: 1 1,124 feet meters or 199.00 Stack Height: feet or meters Exit Stack Diameter 5.10 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 57.93 feet per second meters per second and/or Flow Rate: 71,000.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

information.

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): 19									
2. Manufacturer:	TBD	, , , , -			Manu	facture d	ate:		
3. Model number:	TBD								
4. Type (i.e., steam		le combustion tu	ırhir	ne generatoi	r etc)				
Fly ash silo bin ven		To como astron ta		ere, generator	, •				
5. Maximum design		(name plate):							
	•	· • • • • • • • • • • • • • • • • • • •			millio	n Btus pe	er hou	ar heat input	
or					horsepower				
or			kilowatts						
6. Check the approp	oriate box(es) for p	orimary and seco	nda	ry fuels:	_				
Natural gas		•		Propan	e				
Distillate oil		Sulfur content	Weigh	Weight percent					
Residual oil		Sulfur content			Weigh	t percent			
Bituminous (Coal	Subbituminou	s C	oal		Lignite	e Coa	1	
Coal sulfur cont	ent	Weight percer	nt	Coal ash co	ntent		We	ight percent	
Other (please	specify)					•	1		
7. Has a stack test b	een conducted (ch	neck appropriate	box	:)?	Y	es	X	No	
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.									
Date of most recent	stack test:								
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).									
Baghouse									

Stack Information: If this application is a renewal, contact the air program. We may have this information.										
X- Coordinate				feet		695,089.92	meters			
Y- Coordinate					5,019,442.77		meters			
Base Elevation		1,124	feet				meters			
Stack Height:			126		feet			meters		
Exit Stack Diameter			1.9					meters		
Exit Stack Temperature		1	Ambient degrees Fal			nheit				
Exit Stack Velocity and/or Flow Rate:										
Velocity:		52.90	feet per	second				meters per second		
and/or										
Flow Rate:	9,000.00	actual cubi	actual cubic feet per minute				actual cubic meters per second			



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes									
1. Unit 19: Fly ash silo bin vent									
2.									
3.									
4.									
5.									
Manufacturer Information:									
Manufacturer?	TBI	D							
Manufacturer date?	TBD Installation date? Spring					Spring	2007		
Manufacturer's designed control efficiency? 0.01 gr/dscf %									
Type of baghouse (please check one)?									
Reverse Air	verse Air X Pulse Jet Shaker Other (specify)								
Type of bags?	Type of bags? TBD								
Number of bags?	TBD Air/cloth ratio? TBD								
Baghouse Operation and Maintenance:									
Pressure drop across baghouse? TBD inches water (minimum) TBD inches water (maximum)							inches water (maximum)		
Inlet Temperature?	Temperature? Ambient Fahrenheit (minimum) Ambient			ient	Fahrenheit (maximum)				
Outlet Temperature?	utlet Temperature? Ambient Fahrenheit (minimum) Ambient Fahrenheit (maximum)								
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):									
Bag changing dependent on application and grain loading.									

information. 695,089.92 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,442.77 feet meters or Base Elevation of Stack: 1 1,124 feet or meters Stack Height: 126.00 feet or meters Exit Stack Diameter 1.9 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 52.90 | feet per second meters per second and/or Flow Rate: 9,000.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): 20							
2. Manufacturer: TBD	,	Manufacture date:						
3. Model number: TBD								
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)								
Limestone Day Bin #1								
5. Maximum designed operating rate (name plate):								
	million Btus per hour heat input							
or		horsepower						
or		kilowatts						
6. Check the appropriate box(es) for primary and secondary fuels:								
Natural gas	Pro	opane						
Distillate oil Sulfur conten	Sulfur content							
Residual oil Sulfur conten	Sulfur content							
Bituminous Coal Subbitumino								
Coal sulfur content Weight perc								
Coal sulfur content Weight percent Coal ash content Weight percent Other (please specify)								
7. Has a stack test been conducted (check appropriate	e box)?	Yes X No						
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.								
Date of most recent stack test:								
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).								
Baghouse								

Stack Information: If this application is a renewal, contact the air program. We may have this information.									
X- Coordinate or Easti			feet		695,070.38		meters		
Y- Coordinate or North			feet		5,019,365.59		meters		
Base Elevation of Stack:		1,124		feet				meters	
Stack Height:		100.00		feet				meters	
Exit Stack Diameter		1.0		feet				meters	
Exit Stack Temperature		Ambient degrees			Fahre	Fahrenheit			
Exit Stack Velocity and/or Flow Rate:									
Velocity:		74.27	feet per	second				meters per second	
and/or									
Flow Rate: 3,500.0	Flow Rate: 3,500.00 actual cubic feet per minute					actual cubic meters per second			



Air Quality Permit Application Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

				Eq	uipment a	and Pr	ocesses		
1.	Unit 20: Limes	tone [Day Bin #1						
2.									
3.									
4.									
5.									
L	nufacturer Info	rmati	on:						
Man	ufacturer?	TBI	D						
Man	ufacturer date?	TBI	D		Ins	stallatio	on date?	Spring	2007
Man	ufacturer's desig	gned c	ontrol efficie	ency?	0.01 gr/	dscf		%	
Туре	e of baghouse (p	lease	check one)?						
	Reverse Air	X	Pulse Jet		Shaker		Other (sp	ecify)	
Туре	e of bags?		TBD						
Num	nber of bags?		TBD		Air/cloth	ratio?	TBI	D	
Bagl	house Operation	n and	Maintenan	ıce:					
Press	sure drop across	bagh	ouse? TBI	D i	nches wate	er (mir	nimum)	TBD	inches water (maximum)
Inlet	Temperature?		Ambient	Fahı	renheit (m	inimuı	m) Amb	ient	Fahrenheit (maximum)
Outl	et Temperature?	Ar	nbient	Fahr	renheit (m	inimuı	m) Amb	ient	Fahrenheit (maximum)
Desc	ribe maintenanc	e of b	aghouse (us	e of dy	e test, vis	ual ins	pections,	changing	g bag frequency, etc.):
Bag	changing depend	dent o	n application	n and §	grain loadi	ng.			

information. 695,070.38 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,365.59 feet meters or Base Elevation of Stack: 1 1,124 feet meters or Stack Height: 100.00 feet or meters Exit Stack Diameter 1.0 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 74.27 feet per second meters per second and/or Flow Rate: 3,500.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification	ation (i.e., Boiler#	⁴ 1, Unit #1, etc):	21							
2. Manufacturer: TBD Manufacture date:										
3. Model number: TBD										
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)										
Limestone Day Bin #2										
5. Maximum design	ned operating rate	(name plate):								
				millio	n Btus per ho	ur heat input				
or				horsep	oower					
or				kilowa	atts					
6. Check the approp	oriate box(es) for p	orimary and seco	ndary fuels:	<u></u>						
Natural gas			Pro	pane						
Distillate oil		Sulfur content		Weight	percent					
Residual oil		Sulfur content		Weight	percent					
Bituminous C	Coal	Subbituminou	s Coal		Lignite Coa	ıl				
Coal sulfur cont	ent	Weight percer	nt Coal as	h content	We	ight percent				
Other (please	specify)	_	•		•					
7. Has a stack test b	een conducted (ch	eck appropriate	box)?	Ye	es X	No				
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.										
Date of most recent stack test:										
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).										
Baghouse										

Stack Information: If this application is a renewal, contact the air program. We may have this information.										
X- Coordinate	e or Easting:			feet			695,077.19	meters		
Y- Coordinate			feet		5,0	019,372.58	meters			
Base Elevation	n of Stack:		1,124	feet				meters		
Stack Height:			100.00					meters		
Exit Stack Dia	ameter		1.0					meters		
Exit Stack Ter	mperature	1	Ambient	degrees Fahrenheit						
Exit Stack Ve	locity and/or Fl	ow Rate:	_							
Velocity:		74.27	feet per	second				meters per second		
	and/or									
Flow Rate:	3,500.00	actual cubi	c feet per	minute			actual cubi	c meters per second		



Air Quality Permit Application

Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

_				Eq	uipment	and Pr	oces	sses		
1.	Unit 21: Limes	tone I	Day Bin #2							
2.										
3.										
4.										
5.										
٥.										
Mai	nufacturer Info	rmati	on:							
Man	ufacturer?	TBI	D							
Man	ufacturer date?	TBI	D		Ins	stallatio	on da	ate?	Spring	2007
Man	ufacturer's desig	ned c	ontrol efficie	ency?	0.01 gr/	dscf			%	
Тур	e of baghouse (p	lease	check one)?					'		
	Reverse Air	X	Pulse Jet		Shaker		Oth	ner (sp	ecify)	
Тур	e of bags?		TBD	II.						
Nun	nber of bags?		TBD		Air/cloth	ratio?		TBI)	
Bag	house Operatio	n and	Maintenan	ce:						
Pres	sure drop across	bagh	ouse? TBI) i	nches wat	er (mir	nimu	m)	TBD	inches water (maximum)
Inle	t Temperature?		Ambient	Fah	renheit (m	inimuı	n)	Amb	ient	Fahrenheit (maximum)
Outl	et Temperature?	Ar	nbient	Fah	renheit (m	inimuı	n) [Amb	ient	Fahrenheit (maximum)
Desc	cribe maintenanc	e of b	aghouse (us	e of dy	ye test, vis	ual ins	pecti	ions, c	changing	g bag frequency, etc.):
Bag	changing depen	dent o	n application	n and g	grain load	ing.				

information. 695,077.19 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,372.58 feet meters or Base Elevation of Stack: 1 1,124 feet meters or Stack Height: 100.00 feet or meters Exit Stack Diameter 1.0 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 74.27 feet per second meters per second and/or Flow Rate: 3,500.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identifica	ation (i.e., Boiler #	[‡] 1, Unit #1, etc):	22							
2. Manufacturer: TBD Manufacture date:										
3. Model number: TBD										
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)										
Transfer from Existing Conveyor 2 to New Silo Feed Conveyor										
5. Maximum designed operating rate (name plate):										
				million Btus	s per hou	ır heat input				
or				horsepower						
or				kilowatts						
6. Check the approp	oriate box(es) for p	orimary and seco	ndary fuels:							
Natural gas			Prop	ane						
Distillate oil		Sulfur content	•	Weight perce	ent					
Residual oil		Sulfur content		Weight perce	ent					
Bituminous C	Coal	Subbituminou	s Coal	Lig	nite Coa	1				
Coal sulfur conte	ent	Weight percer	nt Coal ash	content	We	ight percent				
Other (please	specify)	•		·						
7. Has a stack test b	een conducted (ch	neck appropriate	box)?	Yes	X	No				
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.										
Date of most recent stack test:										
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).										
Baghouse										

Stack Information: If this application is a renewal, contact the air program. We may have this information.										
X- Coordinate	or Easting:			feet		(694,928.07	meters		
Y- Coordinate			feet		5,0	019,649.82	meters			
Base Elevation	n of Stack:		1,124	feet				meters		
Stack Height:			26.00	feet				meters		
Exit Stack Dia	ameter		1.80	feet				meters		
Exit Stack Ter	mperature	1	Ambient	degrees	Fahre	nheit				
Exit Stack Vel	locity and/or Fl	ow Rate:	_	•						
Velocity:		58.95	feet per	second				meters per second		
	and/or									
Flow Rate: 9,000.00 actual cubic feet per minute actual cubic meters							c meters per second			



Air Quality Permit Application Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

_				Eq	uipment a	and Pr	ocesses				
1.	Unit 22: Transfer from Existing Conveyor 2 to New Silo Feed Conveyor										
2.											
3.											
4.											
5.											
Man	ufacturer Info	rmati	on:								
Manı	ufacturer?	TBI	D								
Manı	ufacturer date?	TBI	D		Ins	stallatio	on date?	Spring	2007		
Manı	ufacturer's desig	gned c	ontrol efficie	ency?	0.01 gr/d	dscf		%			
Type	of baghouse (p	lease	check one)?								
	Reverse Air	X	Pulse Jet		Shaker		Other (sp	ecify)			
Туре	of bags?		TBD								
Num	ber of bags?		TBD		Air/cloth	ratio?	TBI)			
Bagh	ouse Operatio	n and	Maintenan	ice:			_		_		
Press	sure drop across	bagh	ouse? TBI	D it	nches wate	er (mir	nimum)	TBD	inches water (maximum)		
Inlet	Temperature?		Ambient	Fahr	renheit (m	inimur	m) Amb	ient	Fahrenheit (maximum)		
Outle	et Temperature?	Ar	nbient	Fahr	renheit (m	inimur	m) Amb	ient	Fahrenheit (maximum)		
Desc	ribe maintenanc	e of b	aghouse (us	e of dy	e test, visi	ual ins	pections, o	changing	g bag frequency, etc.):		
Bag	changing depend	dent o	n application	n and g	grain loadi	ng.					

information. 694,928.07 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,649.82 feet meters or Base Elevation of Stack: 1 1,124 feet or meters Stack Height: 26.00 feet or meters Exit Stack Diameter 1.80 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 58.95 feet per second meters per second and/or Flow Rate: 9,000.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identifica	ation (i.e., Boiler #	#1, Unit #1, etc):	23							
2. Manufacturer: TBD Manufacture date:										
3. Model number: TBD										
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)										
New Crusher House										
5. Maximum designed operating rate (name plate):										
	million Btus per hour heat input									
or					horse	power				
or					kilow	atts				
6. Check the approp	oriate box(es) for p	primary and secon	ndary	fuels:						
Natural gas				Propan	e					
Distillate oil		Sulfur content			Weigh	t percent				
Residual oil		Sulfur content			Weigh	t percent				
Bituminous (Coal	Subbituminou	s Coal			Lignite	e Coa	1		
Coal sulfur cont	ent	Weight percen	nt C	oal ash co	ontent		We	ight percent		
Other (please	specify)	<u>.</u>					•			
7. Has a stack test b	een conducted (cl	heck appropriate	box)?		Υe	es	X	No		
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.										
Date of most recent stack test:										
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).										
Baghouse										

Stack Information: If this application is a renewal, contact the air program. We may have this information.									
X- Coordinate	or Easting:			feet			695,045.42	meters	
Y- Coordinate	or Northing:			feet		5,0	019,621.48	meters	
Base Elevation	of Stack:		1,124	feet				meters	
Stack Height:			26.00	feet				meters	
Exit Stack Dia	meter		3.30	feet				meters	
Exit Stack Ten	nperature	I	Ambient	degrees	Fahre	nheit			
Exit Stack Vel	ocity and/or F	low Rate:							
Velocity:		58.46	feet per	second				meters per second	
			:	and/or					
Flow Rate:	30,000.00	actual cubi	c feet per	minute			actual cubi	c meters per second	



Air Quality Permit Application Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes	
1. Unit 23: Crusher House	
2.	
3.	
4.	
5.	
Manufacturer Information:	
Manufacturer? TBD	
Manufacturer date? TBD Installation date? Spring 2007	
Manufacturer's designed control efficiency? 0.01 gr/dscf %	
Type of baghouse (please check one)?	
Reverse Air X Pulse Jet Shaker Other (specify)	
Type of bags? TBD	
Number of bags? TBD Air/cloth ratio? TBD	
Baghouse Operation and Maintenance:	
Pressure drop across baghouse? TBD inches water (minimum) TBD inches water (maxim	num)
Inlet Temperature? Ambient Fahrenheit (minimum) Ambient Fahrenheit (maximu	m)
Outlet Temperature? Ambient Fahrenheit (minimum) Ambient Fahrenheit (maximum)	m)
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.)	
Bag changing dependent on application and grain loading.	

695,045.42 X- Coordinate or Easting: 1 feet or meters Y- Coordinate or Northing: 1 5,019,621.48 feet meters or Base Elevation of Stack: 1 1,124 feet meters or Stack Height: 26.00 feet or meters Exit Stack Diameter 3.30 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate:

Stack Information: If this application is a renewal, contact the air program. We may have this

Velocity: 58.46 feet per second meters per second and/or

actual cubic feet per minute

information.

Flow Rate:

30,000.00

actual cubic meters per second

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



Air Quality Permit Application Form Boiler Turbine or Furnace

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification	ation (i.e., Boiler #1	, Unit #1, etc):	24						
2. Manufacturer: TBD Manufacture date:									
3. Model number: TBD									
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)									
Coal Fired Boiler									
5. Maximum designed operating rate (name plate):									
	6,000.00 million Btus per hour heat input								
or		hors	sepower with	boiler efficien	ey:				
or		kilo	watts with bo	iler efficiency	:				
6. Check the approp	priate box(es) for pri	imary and second	lary fuels:						
Natural gas			Propan	e					
Distillate oil	S	Sulfur content	·	Weight perce	ent				
Residual oil	5	Sulfur content		Weight perce	ent				
Bituminous (Coal X	Subbituminous	Coal	Lig	nite Coal				
Coal sulfur cont	ent 0.80	Weight percent	Coal ash co	ontent 9.0	Weight percent				
Other (please	specify)		<u> </u>						
7. Has a stack test b	een conducted (che	ck appropriate bo	ox)?	Yes	X No				
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.									
Date of most recent stack test:									
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).									
Baghouse, wet flue	gas desulfurization,	, selective catalyt	ic reduction						

information. X- Coordinate or Easting: 1 feet 695,018.58 meters Y- Coordinate or Northing: 1 feet 5,019,452.50 meters Base Elevation of Stack: 1 1,124 feet meters Stack Height: 498 feet meters Exit Stack Diameter 34.00 feet meters Exit Stack Temperature degrees Fahrenheit 131 Exit Stack Velocity and/or Flow Rate: meters per second Velocity: 72.76 feet per second and/or actual cubic feet per minute Flow Rate: 1,961,000 actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this



Air Quality Permit Application Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

				Eq	uipment :	and Pr	ocess	es		
1. Unit 24	: Boiler	#2								
2.										
3.										
4.										
5.										
Manufactur	er Info	rmati	on:							
Manufacture	r?	TBI	D							
Manufacture	r date?	TBI	D		Ins	stallatio	on date	e?	Spring	2007
Manufacture	r's desig	ned c	ontrol effici	ency?					%	
Type of bagh	ouse (p	lease	check one)?					<u>.</u>		
Revers	se Air		Pulse Jet		Shaker		Othe	er (sp	ecify)	
Type of bags	:?		TBD	•						
Number of b	ags?		TBD		Air/cloth	ratio?		TBI)	
Baghouse O	peratio	n and	Maintenai	ıce:	•		_			
Pressure droj	p across	bagh	ouse? TB	D i	nches wat	er (mir	nimum	n)	TBD	inches water (maximum)
Inlet Temper	ature?		Ambient	Fah	renheit (m	inimuı	n) [Amb	ient	Fahrenheit (maximum)
Outlet Temp	erature?	An	nbient	Fah	renheit (m	inimuı	n) A	Amb	ient	Fahrenheit (maximum)
Describe ma	intenanc	e of b	aghouse (us	se of dy	ye test, vis	ual ins	pectio	ns, c	changing	g bag frequency, etc.):
Bag changing	g depen	dent o	n application	n and	grain load	ing.				

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: ¹		feet	or	695,018.58	meters					
Y- Coordinate or Northing: 1		feet	or	5,019,452.50	meters					
Base Elevation of Stack: 1	1,124	feet	or		meters					
Stack Height:	498	feet	or		meters					
Exit Stack Diameter	34.00	feet	or		meters					
Exit Stack Temperature	131	degrees	Fahre	nheit						
Exit Stack Velocity and/or Flow Rate:										
Velocity: 72.76	feet per	second			meters per second					
	and/an									

and/or

actual cubic feet per minute

Flow Rate:

1,961,000

actual cubic meters per second

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



Air Quality Permit Application Wet Scrubber Data Sheet

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

			Equi	ipm	ent and P	roce	sses		
1. Unit 24: Boiler	#2 FGD	(Flue G	as Desulf	uriz	ation)				
2.									
3.									
4.									
5.									
Manufacturer Infor	mation	:							
Manufacturer?	TBD								
Manufacturer date?	TBD				Installati	on d	ate?	Spring	g 2007
Manufacturer's desig	ned cont	trol effici	ency?	TBD)			%	
Type of wet scrubber	(please	check or	ne)?	ГВD					
Venturi	Г	Demister	(Othe	r (specify))			
Scrubbing Additives	? T	BD							
Wet Scrubber Oper	ation a	nd Main	tenance:						_
Pressure drop across	wet scru	ıbber?	TBD in	che	s water (m	inim	um)	TBD	inches water (maximum)
Inlet Temperature?	TBD		Fahre	nhei	t (minimu	m)	TBD		Fahrenheit (maximum)
Outlet Temperature?	TBD		Fahre	nhei	t (minimu	m)	TBD		Fahrenheit (maximum)
Water recycled (chec	k one)?	TBD	Yes		TBD]	No			_
If yes, number of por	nd(s):	TBD Po	ond size:	T	BD	T	ype of	liner:	TBD
If no, describe type o	f treatm	ent and l	ocation o	fan	y planned	wate	er discl	narge fr	om the property:
TBD									
Describe maintenanc	e of wet	scrubbei	(visual i	inspe	ection, hov	w oft	en pon	ds are	cleaned, etc.)
TBD									

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting: 1		feet	or	695,018.58	meters
Y- Coordinate or Northing: ¹		feet	or	5,019,452.50	meters
Base Elevation of Stack: 1	1,124	feet	or		meters
Stack Height:	498	feet	or		meters
Exit Stack Diameter	34.00	feet	or		meters
Exit Stack Temperature	131	degrees	Fahre	nheit	
Exit Stack Velocity and/or Flo	w Rate:				
Velocity: 72.76	feet per	second			meters per second

and/or
Flow Rate: 1,961,000 actual cubic feet per minute actual cubic meters per second

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.



Air Quality Permit Application Form Miscellaneous Control Device

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor **Operating Permit, or the General Permits.**

	(please complete shaded areas)								
Describe the miscella	aneous control device and	how it works:							
Coal Fired-Boiler using powered generator.	ng subbituminous pulverize	ed coal to generate stea	nm to power to a 600 MW steam						
Equipment and proc	cesses served by this bagho	ouse (please list all ec	quipment and processes):						
	Equip	ment and Processes							
1. Unit 24: Boiler #	#2 SCR (Selective Catalytic	Reduction)							
2.									
3.									
4.									
5.									
Manufacturer Infor	mation:								
Manufacturer?	TBD								
Manufacturer date?	TBD	Installation date?	Spring 2007						
Manufacturer's design	ned control efficiency?								
Miscellaneous Contr	ol Device Operation and I	Maintenance:							
Pressure drop across of	control unit? 4 Inch	nes water (minimum)	5 inches water (maximum)						
Inlet Temperature?	675 Fahrenh	neit (minimum) 725	Fahrenheit (maximum)						
Outlet Temperature?	125 Fahrenh	neit (minimum) 137	Fahrenheit (maximum)						
Describe maintenance	e of control unit (use of visu	ial inspections, mainte	enance schedule, etc.):						

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate	or Easting: 1			feet	or	695,018.58	meters			
Y- Coordinate	Y- Coordinate or Northing: 1			feet	or	5,019,452.50	meters			
Base Elevation	Base Elevation of Stack: 1		1,124	feet	or		meters			
Stack Height:			498	feet	or		meters			
Exit Stack Dia	meter		34.00	feet	or		meters			
Exit Stack Ter	nperature		131	degrees	Fahre	nheit				
Exit Stack Vel	locity and/or Flo	w Rate:		•						
Velocity: 72.76 feet per second							meters per second			
	and/or									

Flow Rate: 1,961,000 actual cubic feet per minute actual cubic meters per second

1 - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested

information in these categories.



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Fa	cility	identifica	tion (i.e.	., Boile	r #1, Unit #1, etc):	25	5				
2. Ma	anufa	cturer:	TBD					Manu	facture da	te:	
3. Mo	3. Model number: TBD										
4. Ty	pe (i.	e., steam l	boiler, si	imple c	ycle combustion to	ırbine	, generato	r, etc.)			
New	Fire l	Pump									
5. Ma	aximu	ım design	ed opera	ating rat	e (name plate):						
								millio	n Btus per	r hou	ır heat input
	or				525			horse	power		
	or							kilow	atts		
6. Ch	eck t	he approp	riate box	x(es) for	r primary and seco	ndary	fuels:				
	Natı	ıral gas		` /			Propan	e			
X		illate oil			Sulfur content	0.05		İ	t percent		
		idual oil			Sulfur content			•	t percent		
		minous C	oal		Subbituminou	ıs Coa	1	,, eigh	Lignite	Coa	1
		ılfur conte			Weight percent	1	coal ash co	ntont	Ligitic		ight percent
				\ T	weight perce	iii C	vai asii cc	HILEHI		WEI	ight percent
		er (please		_	1 1	1 \0		***		.,	N.I.
				`	check appropriate			Ye		X	No
					please attach a co						
				ent alrea	ady has a copy of t	he mo	ost recent s	stack tes	t, please s	pecif	fy the date of
		it stack tes									
Date	of mo	ost recent	stack tes	st:							
Cont	nal F	auinman	t. If onn	diaabla	tymes of air nollys	ion oc	entral aqui	nmont (Evamplaa	· hoo	house
					types of air pollut precipitator, thern						
5,010	, "	21 301430	,		protipitator, therin	OA	, 11110		2011110		,

Stack Inform information.	ation: If this a	pplication is	a renewa	al, contac	t the a	ir progra	m. We may	have this
X- Coordinate	or Easting:			feet			694,333.34	meters
Y- Coordinate	or Northing:			feet		5,0	020,100.28	meters
Base Elevation	n of Stack:		1,126	feet				meters
Stack Height:			25.00	feet				meters
Exit Stack Dia	meter		0.67	feet				meters
Exit Stack Ter	nperature		900.00	degrees	Fahre	nheit		
Exit Stack Ve	locity and/or F	ow Rate:						
Velocity:		118	feet per	second				meters per second
			:	and/or				
Flow Rate:	2,500	actual cubi	c feet per	minute			actual cubi	c meters per second



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Fac	cility	identifica	tion (i.e., E	oiler#	1, Unit #1, etc):	26					
		cturer:	TBD		, , ,	_		Manu	facture d	ate:	
3. Mo	Model number: TBD										
4. Ty	pe (i.	e., steam l	oiler, sim	ole cycl	e combustion tu	ırbine,	generato	r, etc.)			
New	Diese	l Generat	or	-				•			
5. Ma	ximu	ım designe	ed operatin	g rate (name plate):			_			
								millio	n Btus po	er hou	ır heat input
	or							horse	power		
	or			1	,500			kilow	atts		
6. Ch	eck tl	ne approp	riate box(e	s) for p	rimary and seco	ndary	fuels:	_			
	Natı	ıral gas					Propan	e			
X	Dist	illate oil			Sulfur content	0.05		Weigh	t percent		
	Resi	dual oil			Sulfur content			Weigh	t percent		
	Bitu	minous C	oal		Subbituminou	s Coa	1		Lignite	e Coa	1
Co	al su	lfur conte	nt	1	Weight percer	nt C	oal ash co	ontent		We	ight percent
	Othe	er (please	specify)								
7. Ha	s a st	ack test be	een conduc	ted (ch	eck appropriate	box)?		Y	es	X	No
applic	cation		epartment		ease attach a copy has a copy of t						
Date	of mo	st recent	stack test:								
					pes of air pollut ecipitator, therm						

Stack Inform information.	ation: If this ap	plication is	a renewa	al, contac	t the a	ir progra	m. We may	have this	
X- Coordinate	or Easting:			feet			695,158.74	meters	
Y- Coordinate	or Northing:			feet		5,0	019,509.63	meters	
Base Elevation	n of Stack:		1,124	feet				meters	
Stack Height:			15.00	feet				meters	
Exit Stack Dia	ımeter		1.50	feet				meters	
Exit Stack Ter	nperature		900.00	degrees	Fahre	nheit			
Exit Stack Vel	locity and/or Flo	w Rate:		•					
Velocity:		100.44	feet per	second				meters per second	
	and/or								
Flow Rate:	10,650.00	actual cubi	c feet per	minute			actual cubi	c meters per second	



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Faci	ility iden	tification	n (i.e.,	Boiler#	1, Unit #1, etc):	27					
2. Mar	nufacture	turer: TBD Manufacture date:									
3. Mod	del numb										
4. Typ	4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)										
	g Tower (
5. Max	ximum d	esigned o	operati	ng rate	(name plate):			7			
		312,540.00 gpm million Btus per hour heat input									
	or							horsep	ower		
	or							kilowa	atts		
6. Che	ck the ap	propriat	te box(es) for p	orimary and secon	ndary f	uels:				
	Natural g	gas					Propan	e			
	Distillate	e oil			Sulfur content			Weight	t percent		
-	Residual	oil			Sulfur content			Weight	t percent		
-	Bitumin	ous Coal			Subbituminous	s Coal			Lignit	e Coa	.1
Coa	al sulfur	content			Weight percen	t Co	al ash co	ntent		We	ight percent
	Other (p	lease spe	ecify)		•					_	
7. Has	a stack t	test been	condu	cted (ch	eck appropriate	box)?		Ye	es	X	No
applica	If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.										
Date of most recent stack test:											
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).											
0.0005	5% drift	eliminato	ors								

Stack Information: If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:		feet	See below	meters
Y- Coordinate or Northing:		feet	See below	meters
Base Elevation of Stack:	1,135 (per cell)	feet		meters
Stack Height:	47.00 (per cell)	feet		meters
Exit Stack Diameter	33.00 (per cell)	feet		meters
Exit Stack Temperature	61.00 (per cell)	degrees Fahre	nheit	•

Exit Stack Velocity and/or Flow Rate:

Velocity:	39.60 (per cell) feet per second		meters per second
		and/or		
Flow Rate:	1,463,000 actual cu	bic feet per minute	actual cubi	c meters per second

Cooling Tower's X/Y Coordinates (in UTM meters)

X	Y
694231.20	5019005.15
694241.15	5018994.78
694251.45	5018984.26
694261.18	5018973.37
694271.65	5018962.77
694281.75	5018952.19
694292.31	5018941.35
694301.94	5018930.71
694311.72	5018920.43
694194.87	5019156.33
694204.68	5019146.01
694214.61	5019135.31
694224.84	5019124.55
694234.80	5019113.90
694245.00	5019103.09
694255.34	5019092.59
694265.04	5019082.01
694275.39	5019071.54



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): 28										
2. Manufa	acturer:	TBD						facture c	late:	
3. Model number: TBD										
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)										
Unit 2 fly ash loading to trucks (dry)										
5. Maximum designed operating rate (name plate):										
							million	n Btus p	er hou	ur heat input
or							horsepower			
or							kilowa	atts		
6. Check	the approp	riate box	(es) for p	rimary and secon	ndary f	fuels:	_			
Na	Natural gas Propane									
Dis	tillate oil								į	
Res	sidual oil			Sulfur content			Weight	percent	į	
Bit	uminous C	Coal Subbituminous Coal Lignit						e Coa	.1	
Coal s	ulfur conte	ent		Weight percen	it Co	al ash co	ntent		We	ight percent
Oth	er (please	specify)								
7. Has a s	tack test be	een condi	ucted (che	eck appropriate	box)?		Ye	s	X	No
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.										
Date of most recent stack test:										
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).										

Stack Information: If this apprinformation.	olication is a renewa	al, contact the a	air program. We may	have this
X- Coordinate or Easting:		feet	695,090.66	meters
Y- Coordinate or Northing:		feet	5,019,445.08	meters
Base Elevation of Stack:	1,124	feet		meters
Stack Height:		feet		meters
Exit Stack Diameter		feet		meters
Exit Stack Temperature	Ambient	degrees Fahre	enheit	•
Exit Stack Velocity and/or Flo	w Rate:	•		
Velocity:	feet per	second		meters per second
		and/or		
Flow Rate:	ectual cubic feet per	minute	actual cubi	c meters per second
Modeled as a volume source w	rith a Ralassa Haigh	nt of 35 feet		



This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit or Minor Operating Permit. (please complete shaded areas)

1. Facility identification (i.e., Boiler #1, Unit #1, etc): Unit 29									
2. Manufacturer:	TBD		Manufacture	e date:					
3. Model number:	Model number: TBD								
4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)									
Limestone stackout conveyor									
5. Maximum designed operating rate (name plate):									
				million Btus	s per hour	heat input			
or				horsepower					
or				kilowatts					
6. Check the approp	oriate box(es) for p	orimary and secon	ndary fuels:						
Natural gas			Propa	ne					
Distillate oil		Sulfur content		Weight perce	ent				
Residual oil		Sulfur content		Weight perce	ent				
Bituminous C	Coal	Subbituminous	s Coal	Ligi	nite Coal				
Coal sulfur cont	ent	Weight percen	t Coal ash	content	Weig	tht percent			
Other (please	specify)	•	·	·					
7. Has a stack test b	een conducted (ch	neck appropriate	box)?	Yes	X	No			
If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.									
Date of most recent stack test:									
Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).									
Baghouse									

Stack Information: If this application is a renewal, contact the air program. We may have this information.								
X- Coordinate	or Easting:			feet			695,009.90	meters
Y- Coordinate or Northing:				feet		5,019,321.05		meters
Base Elevation	n of Stack:	1	,124.00	feet				meters
Stack Height:			63.00	feet				meters
Exit Stack Dia		1.10	feet				meters	
Exit Stack Temperature			Ambient	degrees Fahrenheit				
Exit Stack Velocity and/or Flow Rate:								
Velocity: 52.61 feet per se			second				meters per second	
and/or								
Flow Rate:	3,000	actual cubi	actual cubic feet per minute				actual cubi	c meters per second



Air Quality Permit Application Baghouse

This form is to be submitted, if necessary, along with the Title V (Part 70) Operating Permit, Minor Operating Permit, or the General Permits.

(please complete shaded areas)

Equipment and Processes											
1. Unit 29: Limesto	Unit 29: Limestone stackout conveyor										
2.											
3.											
4.											
5.											
Manufacturer Information:											
Manufacturer?	TBI	D									
Manufacturer date?	TBI	D	In	stallatio	n date?	Spring	2007				
Manufacturer's design	ed c	ontrol efficiency?	0.01 gr	/dscf		%					
Type of baghouse (please check one)?											
Reverse Air	X	Pulse Jet	Shaker		Other (sp	ecify)					
Type of bags?		TBD									
Number of bags? TBD Air/cloth ratio? TBD											
Baghouse Operation and Maintenance:											
Pressure drop across b	agh	ouse? TBD	inches wat	er (mini	imum)	TBD	inches water (maximum)				
Inlet Temperature?		Ambient Fa	hrenheit (m	ninimum	n) Amb	ient	Fahrenheit (maximum)				
Outlet Temperature?	An	nbient Fa	hrenheit (m	ninimum	n) Amb	ient	Fahrenheit (maximum)				
Describe maintenance of baghouse (use of dye test, visual inspections, changing bag frequency, etc.):											
Bag changing depende	ent o	on application and	grain load	ing.							

information. X- Coordinate or Easting: 1 feet 695,009.90 or meters Y- Coordinate or Northing: 1 feet 5,019,321.05 meters or Base Elevation of Stack: 1 1,124 feet or meters Stack Height: 34.00 feet or meters Exit Stack Diameter 1.10 feet meters or Exit Stack Temperature Ambient degrees Fahrenheit Exit Stack Velocity and/or Flow Rate: Velocity: 52.61 feet per second meters per second and/or Flow Rate: 3,000.00 actual cubic feet per minute actual cubic meters per second

Stack Information: If this application is a renewal, contact the air program. We may have this

¹ - Portable asphalt plants, rock crushers, or concrete plants do not have to provide the requested information in these categories.